

CLAIMS

1. Apparatus for centering an information medium (101) on a turntable, the apparatus comprising:
 - 5 - a fitting member (4) for receiving the information medium (101) via a substantially central aperture (102) thereof;
 - one or more resiliently deformable members (12) located adjacent the inner rim of said substantially central aperture (102), when an information medium (101) is loaded on said turntable; and
 - 10 - a movable locking member (40, 40a) cooperatively arranged relative to said one or more resiliently deformable members (12);said movable locking member (40, 40a) being arranged and configured to move, in use, between a first position in which it exerts little or no pressure on said one or more resiliently deformable members (12) and a second position in which a generally radial force is exerted
15 thereby on said one or more resiliently deformable members (12) such that said one or more resiliently deformable members (12) exert a corresponding centering force on said inner rim of said substantially central aperture (102) of said information medium (101).
2. Apparatus according to claim 1, wherein the fitting member (4) comprises a
20 stationary portion, at least a portion (46) of which is formed of a ferrous metal.
3. Apparatus according to claim 1, wherein the movable locking member (40) has a sliding cam (40a) formed thereon, or integrally therewith, which sliding cam (40a) is cooperatively arranged relative to the one or more resiliently deformable members (12).
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4. Apparatus according to claim 1, wherein the movable locking member (40, 40a) arranged to move in a generally vertical direction relative to the plane of an information medium (101) when in use.
- 30 5. A turntable for a data storage drive, the turntable including information medium centering apparatus according to claim 1, and further comprising a motor having a spindle which is communicably coupled with said fitting member (4).

6. A turntable according to claim 5, comprising a disc setting surface (3) for receiving an information medium (10).
7. A turntable according to claim 6, wherein the disc setting surface (3) has peripheral friction sheet (19) thereon.
8. A turntable according to claim 6, wherein the one or more resiliently deformable members (12) extend upwardly from a lip portion (12a) located radially inwardly from the circumference of the disc setting surface.
9. A turntable according to claim 5, further comprising means (23) for pressing down on an information medium (101) when in use.
10. A turntable according to claim 9, wherein the clamping member (15) includes at least one magnet means (48) for attracting a corresponding ferrous portion of said movable locking member (40), thereby to cause movement thereof, in use.
11. A turntable according to claim 9, wherein said fitting member (4) includes magnetic means for attracting the clamping member (15) and therefore increasing the pressure exerted thereby on the information medium (101) when in use.
12. A data storage drive including a turntable according to claim 1.